## INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP03/12794

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	SIFICATION OF SUBJECT MATTER C1 <sup>7</sup> B61B13/06, B61B13/04				
According t	to International Patent Classification (IPC) or to both r	national classification and IPC			
	S SEARCHED		· · · · · · · · · · · · · · · · · · ·		
Minimum d Int.	ocumentation searched (classification system followed C1 B61B13/06, B61B13/04	by classification symbols)			
Jits	Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  Jitsuyo Shinan Koho 1926-1996 Toroku Jitsuyo Shinan Koho 1994-2003  Kokai Jitsuyo Shinan Koho 1971-2003 Jitsuyo Shinan Toroku Koho 1996-2003				
Electronic d	data base consulted during the international search (nar	ne of data base and, where practicable, sear	rch terms used)		
C. DOCU	MENTS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where a	,	Relevant to claim No.		
X Y	CD-ROM of the specification at the request of Japanese Utilit 91212/1991 (laid-open no. 420 (Meidensha Corp.), 08 June, 1993 (08.06.93), (Family: none)	y Model application no.	1-3,9,10 4-8		
Y	JP 8-127337 A (Nakanishi Met 21 May, 1996 (21.05.96), (Family: none)	cal Works Co., Ltd.),	4		
Y	JP 5-57143 B2 (Shinko Electric Co., Ltd.), 23 August, 1993 (23.08.93), (Family: none)		1-10		
	er documents are listed in the continuation of Box C.	See patent family annex.			
* Special categories of cited documents: document defining the general state of the art which is not considered to be of particular relevance earlier document but published on or after the international filing date  "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)  "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed  Date of the actual completion of the international search 09 January, 2004 (09.01.04)		"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art document member of the same patent family  Date of mailing of the international search report  27 January, 2004 (27.01.04)			
Name and mailing address of the ISA/ Japanese Patent Office		Authorized officer			
Facsimile No	).         .	Telephone No.			

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			203/12/94		
C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT					
Category*	Citation of document, with indication, where appropriate, of the relevant passages		Relevant to claim No.		
Y	JP 2741038 B2 (Yamaha Motor Co., Ltd.), 30 January, 1998 (30.01.98), (Family: none)		1-10		
Y	JP 9-216558 A (Mitsubishi Electric Corp. 19 August, 1997 (19.08.97), (Family: none)	),	1-10		
Y	Microfilm of the specification and drawin to the request of Japanese Utility Model A No. 22659/1986(Laid-open No. 137764/1987) (Murata Machinery Ltd.), 31 August, 1987 (31.08.87), (Family: none)	pplication	1-10		
Y	<pre>JP 63-40052 Y2 (Sen'yo Kiko Kabushiki Ka 20 October, 1988 (20.10.88),   (Family: none)</pre>	isha),	4		
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